

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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CATEGORY: Photoelectric Smoke Detector

LISTEE: ADEMCO, 165 Eileen Way, Syosset, NY 11791
Contact: Dave Kalmus (516) 921-6704

DESIGN: Models 5807LS and 5807LST single station, battery operated, photoelectric type smoke detector with built-in wireless transmitter. Unit can transmit a radio frequency (RF) alarm signal to listee's separately listed compatible fire alarm control units. Model 5807LST also has a 135°F fix temperature and 15°F/minute rate of rise supplemental integral heat sensor which only assists in a fire situation. The purpose of this thermal circuitry is to increase the sensitivity of the detector. This thermal circuitry is NOT approved for use as a heat detector. Refer to listee's printed data sheet for additional detailed product description and operational considerations.

RATING: 6 VDC
Two Duracell DL123A, Sanyo CR123A or Panasonic CR123A batteries.

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.

APPROVAL: Listed as single station, radio frequency (RF), battery operated, photoelectric smoke detector for use as a stand alone unit or with separately listed compatible fire alarm control units.

This unit can generate a distinctive temporal code pattern fire alarm signal (for total evacuation) in accordance with NFPA 72, 1996 Edition.

NOTE: The photoelectric type detectors are generally more effective at detecting slow, smoldering fires which smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding. The ionization type detectors are generally more effective at detecting fast, flaming fires which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a waste container or a grease fire in the kitchen.

02-07-2000



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued:

JUNE 8, 2002

*Listing Expires **June 30, 2003***

Authorized By:

DIANE K. AREND, Senior Deputy
Program Manager